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**Title:**

Health Information Exchange in the wake of 'big data' paradigm – the theme is from '*quality of information to quality of life*'

**Summary:**

Health Information Exchange (HIE) is an interesting phenomenon. It is a patient centric health and/or medical information management scenario enhanced by integration of Information and Communication Technologies (ICT). While health information systems are repositioning complex system directives, in the wake of the 'big data' paradigm, extracting quality information is challenging.

It is anticipated that in this talk, ICT enabled healthcare scenarios with big data analytics will be shared. In addition, research and development regarding big data analytics, such as current trends of using these technologies for health care services and critical research challenges when extracting quality of information to improve quality of life will be discussed.

**Speaker's Profile:**

Dr Tony Sahama Queensland University of Technology. Born in Sri Lanka, Tony was educated at University of Peradeniya, Kandy, Sri Lanka and employed at the same University prior to migrating to Australia. Since moving to Australia, Tony lectured for seven years at Victoria University of Technology (VUT), Melbourne and University of Queensland (UQ) in Brisbane respectively. At present, Tony is a senior lecturer in the Information Security Discipline, Faculty of Science and Engineering (SEF). His research interest is in Health/Medical Informatics in particular, Healthcare Information Technology (HIT), Information Accountability and Clinical Decision Support Systems Design and Development. Dr. Sahama possesses PhD in Computer Science (Computer Simulation and Modeling, DACE), and has experience working with researchers in developing customised technology applications for Clinical Decision Support Systems (CDSS), Data warehousing, Data Integration and IT applications for healthcare decision making processes. Tony's recent work is in developing IT educational applications for consumers in the PACT arena (People Accepting Controversial Technologies). Currently, Tony is supervising six (6) PhD level research projects in the Medical/Health Informatics research area. Tony holds professional membership with ACM, IEEE, IBS, ACS, SSAI and HISA. More details can be retrieved from this <http://staff.qut.edu.au/staff/sahama> link.